

BABAKOV, A.A.; FEDOROVA, V.I.; SOLOV'YEV, L.L.; LOLA, V.N.; DODOKA, L.I.;
CHERKASHINA, N.P.; SHAMIL', Yu.P.; SMOLYAKOV, V.F.; BABKOV, T.M.;
MOSHKEVICH, Ye.I.; PARADA, A.N.; REPESHKO-KRAVCHENKO, S.I.;
ALEKSEYENKO, M.F.; KOROBKO, M.I.; KOROBKO, I.M.; AVERIN, N.M.;
MATOV, A.A.; MIGUTSKIY, L.R.

Inventions. Met. i gornorud. prom. no.4:83 Jl-Ag '64.
(MIREA 18:7)

CHALOVICH, V.P., inzh.; ZYGDENOK-KUDRYAVIN, S.I., inzh.;
VAL'EROVSKII, K.A., inzh.

Resistance welding in the manufacture of washing machines.
Svar. proizv. no.1:33-34 Ja '65. (MIRA 18:3)

1. Kizhskiy elektromashinostroitel'nyy zavod.

KARPENKO, A.A.; ZHERDEV, Ye.I.; REPETILO, N.M.

In brigades of communist labor. Put'i put.khoz. no.7:30 J1 '59.
(MIRA 12:10)

1. Brigadiry puti 1-go okolotka, 9-y distantsii, stantsiya Dnepropetrovsk, Stalinskoy doregi (for Karpenko, Zherdev). 2. Brigadir puti 2-go okolotka, 7-y distantsii, Nizhnedneprovskaya-Uzlovskaya distantsiya (for Repetilo).

(Railroads)

REPETIN, A.P., dotsent; BEZRODNYY, A.P., inzh.

Irregularity in the operation of the electric transmission
of proportioning pumps in the nylon spinning machine. Izv.
vys.ucheb.zav.; tekhn.leg.prom. no.3:116-122 '59.
(MIRA 12:12)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti.
Rekomendovana kafedroy elektrotekhniki i elekrooborudovaniya.
(Spinning machinery) (Nylon)

ACC NR: AP7005696

(A)

SOURCE CODE: UR/0413/67/000/002/0187/0187

INVENTOR: Repetiy, A. T.

ORG: None

TITLE: A method for extinguishing a highly flammable liquid and a stationary automatic device for carrying out this method. Class 61, No. 82747

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 187

TOPIC TAGS: flammability, fire protection, carbon tetrachloride

ABSTRACT: This Author's Certificate introduces: 1. A method for extinguishing a highly flammable liquid by using automatically operating devices for spraying quenching agents. Spraying of the quenching agents is made more effective and the flame is cut off completely from the free surface of the liquid by locating the automatically operating devices in a tank above the center of the liquid surface. 2. A stationary automatic device for carrying out this method. A float is fastened above the center of the liquid surface containing a vessel of carbon tetrachloride and a tank of compressed air for ejecting the carbon tetrachloride through a circular atomizer when a fusible insert in the air tank valve melts. 3. A modification of this device in which the fire extinguishing equipment consists of a tank connected to the atomizer which contains a foaming chemical and an ampule with a reagent. 4. A modification of this

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ACC NR: AP7005696

device in which the fire extinguishing equipment consists of a vessel of water and a tank of carbon dioxide. 5. A modification of this device in which the quenching agent is water and the spray nozzle is connected to the water supply by a flexible hose and a fitting mounted in the bottom of the supply tank. 6. A modification of this device in which the float is located at the center of the free surface of the flammable liquid by a cable connected to the vessel and to a counterweight. This cable conducts charges of static electricity away from the quenching agents.

SUB CODE: 13/ SURM DATE: 12Aug48

07/

Card 2/2

REPETIY, F.; BRAVERMAN, M.

First steps in developing public participation. Den. i kred.
21 no.7:42-44 J1 '63. (MIRA 16:8)

1. Upravlyayushchiy Berdichevskim otdeleniyem Gosbanka (for Repetiy).
2. Nachal'nik kreditnogo otdela Berdichevskogo otdeleniya Gosbanka
(for Braverman).

(Berdichev--Industrial management)
(Berdichev--Auditing and inspection)

REPETIY, F.; BRAVERMAN, M.

Increase control over the financing of construction and capital repairs. Den. i kred. 20 no. 2:79-81 F '62. (MIRA 15:2)

1. Upravlyayushchiy Berdichevskim otdeleniym Gosbanka (for Repetiy). 2. Nachal'nik kreditnogo otdela Berdichevskogo otdeleniya Gosbanka (for Braverman).

(Berdichev--Banks and banking)
(Construction industry--Finance)

KOVBAN, V.; KOLOSOV, N.; REPETIY, F.

Work practice of State Bank branches in fulfilling payment and receiving plans. Den. i kred. 19 no. 1:48-52 Ja '61.
(MIRA 14:2)

1. Kreditnyy inspektor Gorodokskogo otdeleniya Gosbanka (for Kovban). 2. Upravlyayushchiy Zagorskim otdeleniyem Gosbanka (for Kolosov). 3. Upravlyayushchiy Berdichevskim otdeleniyem Gosbanka (for Repetiy).

(Banks and banking)

REPETIY, F.

The economic work of the State Bank branch should be equal to its tasks. Den. i kred. 14 no.4:56-57 Ap '56. (MIRA 9:7)
(Berdichev--Bank and banking)

REPETIY, F.

For efficiency in the economic work of the State Bank branch. Den. i
kred. 12 no.6:45-46 D '54. (MIRA 8:4)
(Banks and banking)

ACC NR: AP6033550

SOURCE CODE: UR/0181/66/008/010/2908/2918

AUTHOR: Krivoglaz, M. A.; Repetskiy, S. P.

ORG: Kiev State University im. T. G. Shevchenko (Kiyevskiy gosudarstvennyy universitet)

TITLE: Theory of diffusional widening of the Mossbauer line in nonideal crystals

SOURCE: Fizika tverdogo tela, v. 8, no. 10, 1966, 2908-2918

TOPIC TAGS: crystal, Mossbauer spectrum, nonideal crystal, Mossbauer line, atom, interstitial atom

ABSTRACT: AN analysis is made of the effect of the diffusional motion of interstitial atoms on the Mossbauer spectrum of nuclei (either the matrix or impurity atoms) located at lattice points and not participating directly in diffusion. It is shown that the static shifts generated by interstitial atoms at high temperatures decrease the intensity of the Mossbauer line and result in a secondary wider distribution. The study showed that these phenomena occur even at rather low concentrations and, in principle, may be utilized to study statistical distortions and the diffusional motion of interstitial atoms, particularly those close to impurity atoms.

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ACC NR: AP6033550

The effect of diffusion on the concentration widening of the Mossbauer spectrum and the narrowing of lines at high temperatures is also investigated. [Authors' abstract]

SUB CODE: 20/SUBM DATE: 12Feb66/ORIG REF: 008/OTH REF: 006/

Card 2/2

REPETUN, N.I.

Experimental data on the role of alcohol in the genesis of death
in atherosclerosis of the coronary arteries of the heart. Sud.-med.
ekspert. 40 no. 1:16-19 Ja-Mr '61. (MIRA 14:4)

1. Kafedra sudebnoy meditsiny (zav. - prof. A.P. Kurdyumov) I
Leningradskogo meditsinskogo instituta imeni akademika I.P. Pavlova.
(ALCOHOL—PHYSIOLOGICAL EFFECT) (DEATH—CAUSES)
(ARTERIOSCLEROSIS) (CORONARY VESSELS—DISEASES)

REPETZKI, K.

5213. THE ROLE OF REMOTE CONTROL IN UNDERGROUND MINING. Repetzki, K.
(Gluckauf, 3 Aug. 1957, vol. 93, 945-958). (L).

ZUBAIROV, D.M.; REPEYKOV, A.V.; TIMERBAYEV, V.N.

Wetting of vascular endothelium. Fiziol. zhur. 49 no.1:
85-91 Ja '63. (MIRA 17:2)

1. From the Department of Pharmacology, Medical Institute,
Kazan.

VINOGRADOV, Sergey Kuz'mich; REPEYKOV, Viktor Nikolayevich; LEBEDEV,
Aleksey Mikhaylovich; SUBBOTIN, S.S., retsenzent; KOROTKOV, S.N.,
retsenzent; KOBLIAKOVA, Ye.B., nauchnyy red.; GUSEVA, A.I., red.;
KNAKNIN, M.T., tekhn.red.

[Making patterns for men's outer garments] Konstruirovaniye
muzhskoi verkhnei odezhdy. Moskva, Izd-vo nauchno-tekhn.lit-ry
RSFSR, 1961. 335 p. (MIRA 14:6)
(Men's clothing)

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Higher Nervous Activity. Behaviour.

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97923

Author : Repfield, W.

Inst : Not given

Title : Some Observations of the Human Brain

Orig Pub: V sb.: Probl. fiziol. tsentr. nervn. sistemy. M.-L.
An SSSR, 1957, 432-439, 440-446

Abstract: The centroencephalic integrating system (CIS) represents the centrally located part of the brain, which possesses bilateral symmetrical connections with all parts of the cortex of the hemispheres. All sensory cortical fields are regarded as inter-

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94

REPIC, B.

Production testing of the Pozega plum at the Bratstvo Agricultural Cooperative in Koraj. p. 12

POLJOPRIVREDNI PREGLJD. (Drustvo poljoprivrednih inzenjera i tehnicara Bosne i Hercegovine) Sarajevo, Yugoslavia. Vol. 8, no. 1/2, Jan./Feb. 1959

Monthly List of East European Accession (EEAI) LC, Vol. 3, no. 6
June 1959
Uncl.

REPICHEV, A.

We are expanding the use of accounting machines. Den. i kred. 21
no.5:72-74 My '63. (MIRA 16:5)

1. Glavnyy bukhgalter Starorusskogo otdeleniya Gosbanka.
(Starorusskiy—Banks and banking—Accounting) (Machine accounting)

REPIĆ-SLECHTA, M.

Country : Czechoslovakia
Category : Human and Animal Physiology, Blood
Abs. Jour. : Ref Zhur - Biologiya, No. 2, 1959, No. 7944
Author : Rejholec V.; Urbaner L.; Repić-Slechta M.
Title : An Investigation of Incomplete Anti-leukocyte Antibodies.
Orig. Pub. : Časop. lékařů českých, 1956, 95, No. 51, 1401--
 1405
Text : Anti-leukocyte antibody determinations were run on 17 patients with agranulocytosis and leukopenia, 9 with myeloid leukemia, 8 with blood diseases and on 20 clinically healthy individuals. The Doss direct leukocyte agglutination method was employed, as well as a new one based on the relative reduction in the effectiveness of antiglobulin serum using previously sensitized leukocytes. Determinations were run on the incomplete antibody. The relative number of positive results obtained by the latter method was higher than that obtained by direct
Card: 1/2

CZECHOSLOVAKY/General Problems of Pathology - Immunity.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98082

Author : Rejholec, Vaclav; Donner, Ludvik; Repic-Slechta, M.

Inst : Universitas Carolina

Title : Determination of Antileukocytic Incomplete Antibodies.

Orig Pub : Univ. carolina. Med., 1956, suppl, No 2, 384-390

Abstract : In 23 patients with leukopenia and agranulocytosis, 11 - with chronic myeloid leukemia, 8-with other hemopathies, 4-after many transfusions and in 39 control individuals, the leuko-agglutinins were determined by Doset's method and a method proposed here, which consists in a relative decrease of agglutinin serum titer according to Coombs by way of saturation with leukocytes (L) of patients under investigation, who were sensitized with serum. If, by L sensitization the joining of antibodies occurs on the

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- 6 -

REJHOLEC, Vaclav; DONNER, Ludvik; REPIC-SLECHTA, Mirko

Investigation of anti-leukocytic incomplete antibodies.
Cas. lek. cesk. 95 no.51:1401-1405 21 Dec 56.

1. Vyzkumny ustav Chorob Reumatickych, Praha II. Interni
Klinika Karlovy University, Praha.

(BLOOD DISEASES, immunology.

incomplete anti-leukocytic antibodies in dis. of
leukocytic system (Cz))

(ANTIBODIES,

incomplete anti-leukocyte (Cz))

KIZUB, F.; SHCHEKUTEV, Ya.; REPICHEV, A.; KOROSTELEV, I.; MARTYNNENKO, P.
TARANIK, F.; TYRINOV, P.; POPOVKIN, N.

Hidden potentialities for the economy of working time. Den. i
kred. 19 no.3:50-62 Mr '61. (MIRA 14:3)

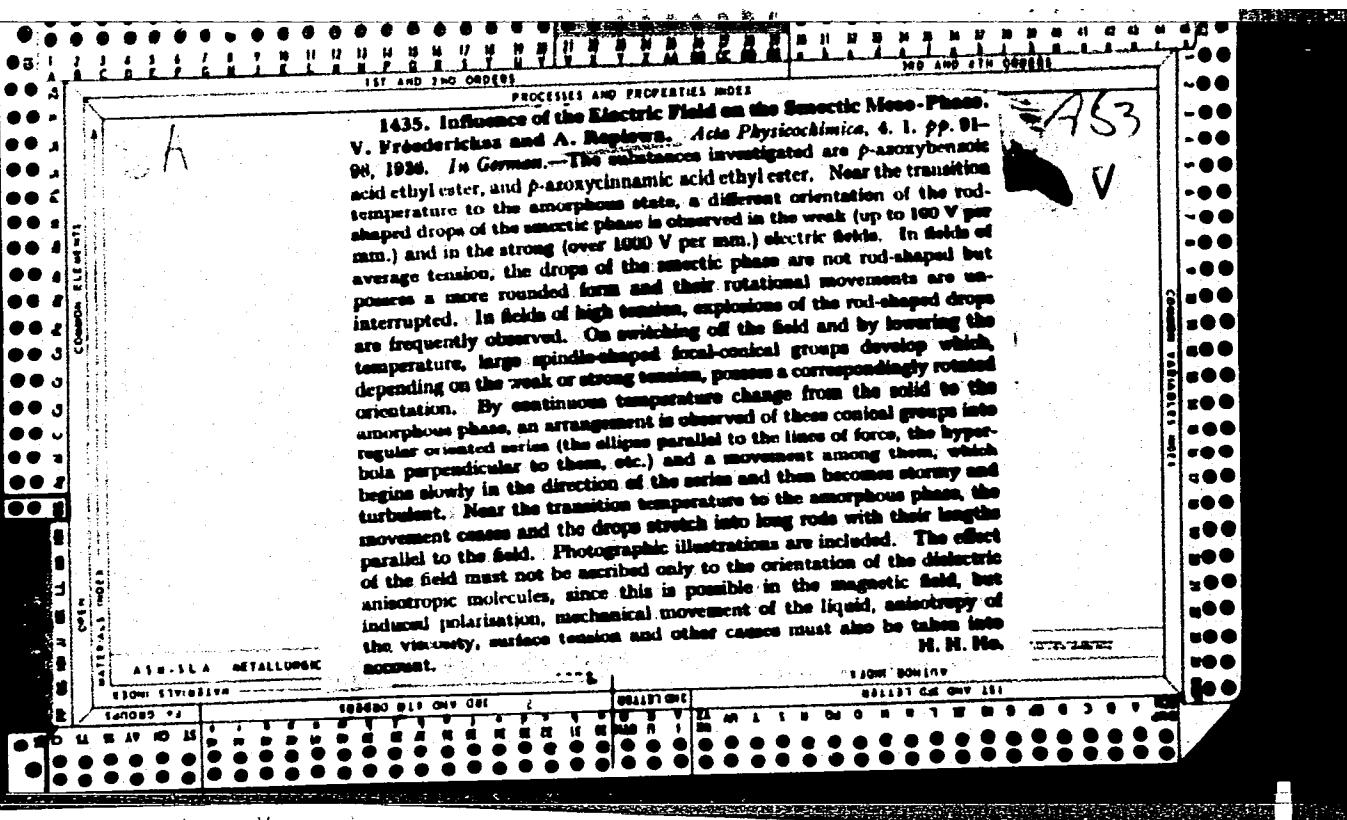
1. Zamestitel' glavnogo bukhgaltera Ukrainskoy respublikanskoy kontory Gosbanka (for Kizub). 2. Glavnyy bukhgalter Ryazanskoy oblastnoy kontory Gosbanka (for Shchekutev). 3. Glavnyy bukhgalter Starorusskogo otsteleniya Gosbanka Novgorodskoy oblasti (for Repichev). 4. Glavnyy bukhgalter Gul'kevichskogo otsteleniya Gosbanka Krasnodarskogo kraja (for Korostelev). 5. Zamestitel' glavnogo bukhgaltera Krasnoyarskoy krayevoy kontory Gosbanka (for Martynenko). 6. Glavnyy bukhgalter Pereyaslav-Khmel'nitskogo otsteleniya Gosbanka Kiyeiskoy oblasti (for Taranik). 7. Glavnyy bukhgalter Tonshayevskogo otsteleniya Gosbanka Gor'kovskoy oblasti (for Tyrinov). 8. Glavnyy bukhgalter Novo-Ukrainskogo otsteleniya Gosbanka Kirovogradskoy oblasti.

(Banks and banking--Accounting)
(Machine accounting)

BLASKOVIC, Dionyz; RATHOVA, Vojta; Technicka spolupraca J. Raus a
R. Repicova

Levels of antibodies against influenza viruses A, A₁, B, C,
and Shopeiowa 15 antibody titers in the population of
Czechoslovakia. Cesk. epidem. mikrob. imun. 5 no.3:113-124
June 56.

1. Virologicky ustav CSAV Bratislava.
(INFLUENZA, immunology,
antibodies in Czech. (Cz))
(ANTIBODIES,
influenza antibodies in Czech. (Cz))



Technical equipment of construction operations in the construction industry. p. 35.

PRODUKCIÍ STAVBY. (Ministerstvo stavebnictví)
Práha, Československo. Vol. 7, no. 1, Jan. 1959

Monthly List of East European accession, (EEAI), IC, Vol. 1, No. 12, Dec. 1959

Uncl.

REPIK, R.

Complex mechanization of ditch excavation including foundation trenches,
p. 311, POZEMNI STAVBY, (Ministerstvo stavebnictvi) Praha, Vol. 3,
No. 8, Aug. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

Repik, R.

Repik, R. The influence of technical documentation on actual production. p. 12.

Vol. 5, no. 1, Jan. 1957

POZEMNÍ STAVBY

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, No. 5, May 1957

40034

S/258/62/002/002/012/018

I028/I228

265200

AUTHOR: Repik, Ye. U. and Chekalin, V. Ye. (Moscow)

TITLE: Convective heat exchange in supersonic conical nozzles

PERIODICAL: Inzhenernyy zhurnal, v. 2, no. 2, 1962, 359-364

TEXT: An approximate method is proposed for the calculation of the local values of the convective heat transfer coefficients from the gas side of the nozzle wall, and an experimental method devised for the checking of the results obtained. While the determination of these coefficients is necessary for the calculation of the nozzle cooling, the existing theoretical formulas are found to be unreliable; the experimental data, on the other hand, are scanty and concern only subsonic nozzles. The calculation method is based on splitting the wetted nozzle contour into a number of small sections in each of which the flow is assumed to be non-gradient, thus replacing the continuous variation of the flow parameters by a stepped one. A formula is given for the calculation of Re in every section, and the heat transfer coefficient determined at every point x as a function of the local values of Re and M . The experimental method is based on the direct measurement of the parameters of heat flux in the different sections. The nozzle is cooled by boiling water. At 24 different places along the nozzle are placed cases containing brass coils through which water flows. Vapors of the boiling water condense on the coil surface. The amount of heat transferred from the nozzle section is determined measuring the rate of flow of the water circulating through the coils and the temperature difference between the inflowing and

X

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Convective heat exchange on...

S/258/62/002/002/012/018
I028/I228

outflowing water, and the heat transfer coefficient is calculated from it. The theoretical results obtained are compared with the experimental ones, and the results found to be satisfactory. There are 8 figures.

SUBMITTED: November 27, 1961

Card 2/2

REPIN, A.

CA

27

Analysis of the soap mass formed after the saponification
of fats with sodium carbonate. I. Bliner and A. Repin.
Maslobotno Zhurnal Deto 15, No. 6, 27-9 (1933). The
detn. of Na_2CO_3 depends on the reaction of free fat acids
in the soap mass with NaOH or KOH in the presence of
excess of the alkali with the Na_2CO_3 unchanged; the
detn. of the free acids is based on the quant. neutralization
of Na_2CO_3 in 60% alc. by the acids. To 2 sep. weighings
(2 g. each) add 10 ml. of alc. 0.5 N KOH and 20 ml. alc.
and reflux on a water bath until dissolved. Introduce
into each flask 20 ml. H₂O to dissolve the Na_2CO_3 and cool.
Det. $\text{Na}_2\text{CO}_3 + \text{KOH}$ in 1 flask by titration with 0.1 N
HCl and phenolphthalein. To another flask add 25 ml.
of 10% BaCl₂ to ppt. soap and Na_2CO_3 and titrate the ex-
cess of KOH with HCl. The difference between the 2
detns. gives Na_2CO_3 . To det. free fat acids, treat a 5-g.
sample with 30 ml. of alc. 0.2 N fat acids (mol. wt. 290.29,
which is close to the mol. wt. of free fat acids to be tested),
add 20 ml. H₂O to obtain 60% alc. soln., reflux, cool and
det. the excess of acids by titration with 0.2 N NaOH.
Chas. Blanc

DROBYSHEVSKIY, V.; BOLDYREV, A.; RFPIN, A.; FEFER, A.; KEM, A. (Chelyabinsk).

Suggested, developed, introduced. Izobr.i rats. no.4:32 Ap '60.
(MIRA 13:6)

(Technological innovations)

REPIN, A.

[Drying and storing seed corn] Sushka i khranenie semennoi kukuruzy.
Moskva, Gos. izd-vo selkhoz, lit-ry, 1955. 48 p. (MLRA 9:9)
(Corn (Maize))

REPIN, Anatoliy Aleksandrovich; KHRUSTALEV, Nikolay Vladimirovich;
KEM, Aleksandr Yegorovich; SVET, Ye.B., red.; KUZNETSOVA,
O.Ya., tekhn. red.

[Anticorrosive acid-resistant materials and coatings in
industrial construction in the Urals] Antikorroziinye
kislotoupornye materialy i pokrytiia v promyshlennom
stroitel'stve Urala. Cheliabinsk, Cheliabinskoe knizh-
noe izd-vo, 1963. 154 p. (MIRA 17:1)

(Ural Mountain region--Industrial buildings)
(Corrosion-resistant materials)
(Protective coatings)

REPIN, A.A.; ROZOVSKIY, L.D.

Wear and heat resistant products of enriched slag. Stroi.
(MIRA 12:8)
mat. 11 no.7:11-13 J1 '65.

ROZOVSKIY, L.D.; REPIN, A.A.

Efficient technology of the production of cast slag tiles.
(MIRA 16:11)
Stroi. mat. 9 no.7:4-5 Jl '63.

ROZOVSKIY, L.D., inzh.; REPIN, A.A., kand. tekhn. nauch.; FISARENKO, A.A., inzh.

Floor coverings of cast slag tiles. Prom. stroi. 42 no. 10:46-48
0 '64. (MIRA 17:11)

REPIN, A.A., inzh.

Acidproof slag materials and products. Stroi.mat. 5 no.9:
20-22 S '59. (MIRA 12:12)
(Slag) (Acid-resistant materials)

KHARLAMOV, V.N. (Riga 13, Gospital'naya ul., d.55); DASHKOV, B.T. (Riga 13, Gospital'naya ul., d.55); REFIN, A.I. (Riga 13, Gospital'naya ul., d.55); BUNCHENKO, A.I. (Riga 13, Gospital'naya ul., d.55)

Results of regional perfusion in some diseases of the lower extremities. Ortop. travm. i protez. 26 no.6:22-24 Je '65.
(MIRA 18:8)

PETYAKSHEV, I.; LUNKIN, P.; REPIN, I. [deceased]; YEGOROV, V., red.

[Rural builder] Sel'skii stroitel'. Saransk, Mordovskoe
knizhnoe izd-vo, 1964. 46 p. (MIRA 17:10)

1. Starshiy proizvoditel' rabot Kovylkinskoy mezhkolkhoznoy
stroitel'noy organizatsii "Avangard", Mordovskaya respublika
(for Petyakshev). 2. Zamestitel' predsedatelya kolkhoza
"Sovetskaya Rossiya" Krasnoslobodskogo proizvodstvennogo
upravleniya Mordovskoy respubliki (for Lunkin). 3. Nachal'nik
tsekha zhelezobetonnykh konstruktsiy Ruzayevskoy mezhkolkhoz-
noy stroitel'noy organizatsii Mordovskoy respubliki (for
Repin).

AUTHORS: Repin, A. K., Taran, Yu. N. SOV/163-58-2-40/46

TITLE: The Oriented Crystallization of Graphite in Cast Iron
(Ob oriyentirovannoy kristallizatsii grafita v chugunakh)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Mettalurgiya, 1958,
Nr 2, pp. 220 ~ 226 (USSR)

ABSTRACT: In the present paper investigations of the character and
the characteristic features of spherical inclusions in
manganese-cast iron alloys were carried out. The inclusions
have a sector-type structure. Each sector has a parallel
position of the crystals. In the vicinity of the center
the sectors are found to be bent; these bent parts are at
the surface always vertical to the graphite inclusions.
The spherical graphite inclusions were investigated by means
of the polarization effect. Based on the results obtained
it was found that during the growth process in cast iron
an oriented crystallization of the graphite with respect
to austenite occurs. The direction of the growth of the
graphite crystals leads to the center of the sectors and
has peculiar bends. The fact of the oriented crystallization

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The Oriented Crystallization of Graphite in Cast Iron SOV/163-58-2-40/46

of graphite with respect to austenite is not only found during the growth of the spherical graphite inclusions but it is also observed in the separation of graphite at the surfaces of iron-carbon alloys during the thermal treatment of the metal in vacuum. There are 5 figures and 21 references, 13 of which are Soviet.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute)

SUBMITTED: October 1, 1957

Card 2/2

BUNIN, K.P.; GRECHNYY, Ya.V.; MALINOCHKA, Ya.N.; TARAN, Yu.N.; BEL'CHENKO, G.I.;
POGREBNYY, E.N.; DANIL'CHENKO, N.M.; YATSENKO, A.I.; REPIN, A.K.;
BARANOV, A.A.; SHPAK, T.M.

Is metastable austenite possible at a point higher than A_1 ?
Izv.vys.ucheb.zav.; chern.met. no.10:143-144 0 '58.
(MIRA 11:12)

1. Dnepropetrovskiy metallurgicheskiy institut i Institut chernoy
metallurgii AN USSR.
(Austenite) (Phase rule and equilibrium)

REPIN, A. K., Cand of Tech Sci — (diss) "Investigation of the Influence of Elements
on the Graphitization of White Iron," Dnepropetrovsk, 1959, 12 pp (Dnepropetrovsk
Metallurgical Institute im Stalin) (KL, 4-60, 120)

.18

SOV/21-59-3-11/27

AUTHORS: Bunin, K.P., Corresponding Member of the AS UkrSSR
and Repin, A.K.

TITLE: On the Effect of Phosphorus on the Shape of an Inclusion of Annealing Carbon (O vliyanii fosfora na formu vklyucheniya ugleroda otzhiga)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 3,
pp 277-280 (USSR)

ABSTRACT: This is the result of the authors' studies of the effects of phosphorus upon the graphitization of white iron at 900 and 1,000°C. The white iron used for the study was characterized by about equal proportion of increase of graphite content in the austenite and cementite components and by an absence of embankments on the boundaries and sub-boundaries of the matrix grains. It consisted of 3.20% C; 0.86% Si; 0.003% P and 0.005% S. It was smelted in a Taman furnace, in alundum crucibles, on the basis of electrolytic iron, sugar coal and crystalline silicon with 99.2% Si. The molten iron was re-

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SOV/21-59-3-11/27

On the Effect of Phosphorus on the Shape of an Inclusion of
Annealing Carbon

heated up to 1,500°C, whereupon was poured into copper chill moulds at room temperature. The castings were cut into 12x12x12 mm pieces, which were then annealed at 1,000 and 900°C in a vacuum of 10^{-3} cm of mercury column. It was found that an increase in the phosphorus content at 1,000°C speeds up the graphitization (Figure 4), while at 900°C slows it down. At 1,000°C the branching of the temper carbon inclusions increases with an increase in phosphorus content. When, however, the graphitization takes place in a matrix containing molten phosphide eutectic, then there is a growth in the liminar graphite inclusions, the shape whereof coincides with that of the liquid stage interlayers. There are 3 microphotographs, 1 graph, and 2 Soviet references.

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SOV/21-59-3-11/27

On the Effect of Phosphorus on the Shape of an Inclusion of
Annealing Carbon

ASSOCIATION: Institut chernoy metallurgii AN UkrSSR (Institute of
Ferrous Metallurgy of the AS UkrSSR) Dnepropetrov-
skiy metallurgicheskiy institut (Dnepropetrovsk
Institute of Metallurgy)

SUBMITTED: November 17, 1958

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18(5)

SOV/128-59-4-12/27

AUTHORS: Bunin, K.P., Corresponding Member of the Af UkrSSR,
and Repin, A.K., Engineer

TITLE: Influence of Silicon, Aluminum, Nickel, Copper and
Phosphorus on the Form of Temper Carbon

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 4, pp 24-30 (USSR)

ABSTRACT: The form of the inclusions in temper carbon is determined in the first place by a process, in which the atoms of the die are removed from the annealing surface. If the flow of the atoms from the die is even, the inclusions will be isoaxle, if it is uneven, they will be branched. Under high temperatures the die of the malleable cast iron is heterogeneous. It consists of austenite and cementite. The question is raised, what influence the change of composition in these phases has on the relative speed of the flow from the annealing surface in their atom? It is also interesting to know, how the alloying of the malleable cast iron influences the evacuation speed of the atoms on the divisions and subdivisions of the

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SOV/128-59-4-12/27

Influence of Silicon, Aluminum, Nickel, Copper, and Phosphorus on
the Form of Temper Carbon

matrice cores. No literature on these subjects is mentioned in the article. It only reports the results of experiments concerning the influence of silicon, aluminum, nickel, copper and phosphorus. It was found that, if the silicon percentage in iron alloys is raised, the crystals of the solid solution are greatly distorted, similarly to a plastic transformation and that the self-diffusion coefficient of the vacancies is increased. Consequently a concentration of austenite in the silicon will speed up in this phase the evacuation of the matrice atoms from the annealing surface. The reasons for this are not known. The influence of aluminum is similar to that of silicon, but much stronger. Its impact is particularly strong in regard to the evacuation of the atoms on the boundaries. The influence of nickel on the annealing rate is much weaker. Added nickel does not change this rate in austenite or cementite. Copper has an equally small influence on the annealing rate and on

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SOV/128-59-4-12/27

Influence of silicon, Aluminum, Nickel, Copper, and Phosphorus on
the Form of Temper Carbon

the number of graphite inclusions. It somewhat effects the evaporation rate of the matrix atoms in austenite and cementite. The effect of silicon is of special interest, because its percentage can easily be varied in technical cast iron. The structure of malleable cast iron changed with its phosphorus percentage. It took the form of a coarse conglomerate of carbide and austenite. The added phosphorus in the cast iron effected an important change in the form of the inclusions of temper carbon, which formed at a temperature of 1,000°C. The inclusions of temper carbon grow around all concentrations of phosphorus in form of round, compact kernels. At a temperature of 900°C the increase in phosphorus reduced the annealing rate and the number of graphite inclusions. There are 1 table, 13 photographs, 7 graphs and 20 references, 5 of which are English, 1 German and 14 Soviet.

Card 3/3

L 19750-63 EPR/EPF(c)/EWP(q)/EWT(m)/EWP(B)/BDS AFFTC/ASD Ps-4/
Pr-4 WH/WW/JD/K
ACCESSION NR: AT3001934 S/2912/62/000/000/0336/0346

AUTHORS: Pogrebnoy, E.N.; Repin, A.K. (Deceased)

TITLE: Changes in structure and shape of graphite inclusions in Fe alloys as a function of the conditions of growth

SOURCE: Kristallizatsiya i fazovyye perekhody. Minsk, Izd-vo AN BSSR, 1962, 336-346

TOPIC TAGS: crystal, crystallization, crystallography, graphite, inclusion, addition, impurity, Fe, Al, Si, Ti, Mn, W, Mo, Cr, austenite, martensite, ferrite, cementite, vacancy, dislocation, micropore, microfissure, malleable, cast iron, steel, diffusion, graphitized, graphitization, martensite,

ABSTRACT: The paper describes experimental findings on the effect of the state of the metallic matrix, the structural and phase nonuniformities along the graphitization front, the possible alignment of austenite-ferrite-cementite lattices with the graphite, and that of impurities and crystalline-structure defects (vacancies, dislocations, micropores, and microfissures of various origin) in graphitized Fe alloys. Typical examples of the broad variety of graphite inclusions found in the metallographic investigations of graphitized steel and malleable cast iron are

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shown. This multiplicity of forms of graphite inclusions is attributed primarily to the growth conditions of the graphite, depending on the character of the primary structure and the degree of nonuniformity of the matrix structure, the chemical composition, and the conditions of the anneal. A prime opportunity for the formation of graphite inclusions is afforded by shrinkage micropores, placed between the branches of austenite dendrites and along the interphase boundaries. Both the origin and the geometry of such micropores are described. The effect of additions and alloying elements introduced into synthetic cast iron or steel on the growth conditions of the graphite are described, including their effect on the relative growth rate of the graphite in the austenite or ferrite phase, if the additions are concentrated in the austenite during hardening and distort its crystalline lattice significantly. Among such additions are Al, Si, and partially Ti. It is characteristic that these additions accelerate the near-boundary diffusion more strongly than the volumetric diffusion. Therefore, with an increased concentration of Si and Al, the shape of the graphite inclusions changes from spherical to branched. By contrast, the relative growth speed in austenite is reduced by additions that increase the interatomic bonding forces in austenitic carbide phases more strongly and, therefore, loosen up their crystalline lattice. Examples: Mn, W, Mo, and Cr, which concentrate preferably in the carbide phase. Additions that form readily-fusible components affect the shape of graphite inclusions in a peculiar

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manner. An investigation of synthetic cast irons with various P contents showed that, if the initial structure of the white cast iron contained a phosphide eutectic and the anneal temperature is higher than its m. p., then the shape of inclusions with an elevated P concentration gradually passes from a blot-shaped to a lamellar shape. The defect formations of the martensite transformation of austenite are discussed, and the nature of the resulting microfissures is examined. Orig. art. has 5 figs.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 16Apr63 ENCL: 00

SUB CODE: CH, PH, MA, EL NO REF SOV: 019 OTHER: 007

Card 3/3

REPIN, A.M. [Riepin, A.M.], kand. sel'khoz. nauk; NAUMENKO, O.I.,
nauchnyy sotr.; BELYAKOV, M.I. [Biliakov, M.I.], red.;
NEMCHENKO, I.Yu. [Nemchenko, I.IU.], tekhn. red.

[Drying and storing seed and forage corn] Sushimia ta zberi-
gannia nasinnoi i furazhnoi kukurudzy. Kyiv, Derzh. vyd-vo
sil'kohospodars'koi lit-ry URSR, 1961. 67 p. (MIRA 15:3)
(Corn (Maize))—Drying
(Corn (Maize))—Storage

PROKAPALO, I.S., kand. sel'khoz. nauk; TREGUBENKO, M.Ya.
[Trehubenko, M.IA.], kand. sel'khoz. nauk; ARTYUKHOV,
Y.K., kand. sel'khoz. nauk; KRYACHKO, P.G.[Kriachko,
P.H.], st. nauchn. sotr.; MAKODZEBIA, I.O., kand. sel'-
khoz. nauk; SIDENKO, I.O., kand. biol. nauk; SUSIDKO,
P.I., kand. biol. nauk; REPIN, A.M.[Riepin, A.M.], kand.
sel'khoz. nauk; LOGACHOV, M.I.[Lohachov, M.I.], kand.
sel'khoz. nauk; OSTAPOV, V.I., kand. sel'khoz. nauk;
ZAPOROZHCHENKO, O.L., kand. sel'kh.nauk; FLYAGIN, A.D. [Fliashin, A.D.],
kand. ekon. nauk; KANIVETS', I.D., st. nauchn. sotr.;
SKRIPNIK, P.S.[Skrypnyk, P.S.], red.; GULENKO, O.I.
[Hulenko, O.I.], tekhn. red.

[Advanced practices in growing corn] Peredovi metody vy-
roshchuvannia kukurudzy. 2., perer. i dop. vyd. Kyiv,
Derzhsil'hospvydav, URSR, 1962. 231 p. (MIRA 17:1)

REPIN, A.M. [Riepin, A.M.], kand.sel'skokhozyaystvennykh nauk (Dnepropetrovsk)

Storage of corn seeds. Nauka i zhystia 6 no.9:20-22
(MIRA 13:5)
S '56.

(Corn(Maize)--Storage)

RSPIN, Anatoliy Mirolyubovich, kandidat sel'skokhozyaystvennykh nauk;
REVENKOV, A.I., redaktor; ZUBRILINA, Z.P., tekhnicheskiy
redaktor

[Drying and storing seeds] Sushka i khranenie semian. Moskva,
Gos.izd-vo sel'khoz.lit-ry, 1957. 174 p. (MLRA 10:10)
(Seeds)

REFIN, A.N.

42457. Dinamika Podsykhaniya Stebleye Kukuruzy S Fochatkami V SP:
Osnounyye Vyvody Po Polevym Opytam Za 1945-1947-GG. (Ukr. Nauch-Issled
In-T Zernovogo Khoz-Va M. Kuybysheva. Erast. Optyt. Pole) Dnepropetrovsk,
1948, S. 61-64

REFIN, A.N.

42476. Fredposevnaya Otrabotka Semen Pakhchevykh kul'tur. V SP: Osnovnyye Vyvody Po Polevym Opytam Za 1945-1947 GG (Ukr. Nauch.-Issled. In-T Zernovogo Khoz-Va M. Kuytysheva. Erast. Cpyt. Pole) Dnepropetrovsk, 1948, S. 98-100,

COUNTRY USSR M
CATEGORY CULTIVATED PLANTS. Grains. Leguminous Grains.
A.R.S. CCCP Tropical Cereals
REF 7HUR. BIOLOGIYA, NO. 4, 1959, No. 15618

AUTHOR Repin, A.N.
INST. --
TITLE Drying and Storage of Hybrid Corn Seeds

ORIG. PUBL Sovkhoznoye proiz-vo, 1957, No.11, 44-49

ABSTRACT : The timely drying of seed corn to a moisture content of 16 % from autumn before the onset of frosts or storage in winter in a heated place with good ventilation affords the possibility of raising the sowing properties of the corn seed. Dried corn ears with 16 % moisture content can be kept in any grain storage depot and warehouse in heaps of 1.5 to 2 m in height. But in such heaps can be stored the dry corn kernel in case its

CARD: 1/2

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REPIN, Anatoliy Nikolayevich [Riepin, A.M.], kand.sel'khoz.nauk;
ZADONTSEV, A.I., zasl. deyatel' nauki USSR, akademik,
red.; LIVENSKAYA, O.I.[Livens'ka, O.I.], red.; GLUSHKO, G.I.
[Hlushko, H.I.], tekhn. red.

[Drying and storing of corn] Sushinnia ta zberihannia kukurudzy. Dnipropetrovs'k, Dnipropetrovs'ke knyzhkove vyd-vo,
1961. 32 p. (MIRA 15:7)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta
kukuruzy i Vsesoyuznaya akademiya sel'skokhozyaystvennykh
nauk im. V.I.Lenina (for Zadontsev).

(Ukraine—Corn (Maize))--Drying
(Ukraine—Corn (Maize))--Storage

Kepin, A.S.

The use of a vertical continuous retort at Amzinsk Wood Chemical Plant. V. I. Koryakin, A. S. Repin and A. N. Khlyzov. *Gidrolis. i Lesokhim. Prom.* 9, No. 4, 4-7 (1958). — The layout of the plant, and the technological and operational features of continuous dry distn. of wood are discussed. Wood is charged periodically at the top of the retort, and is then subjected to decompr. by heat supplied by furnace gases. They reach the temp. of 700°. The gaseous mixt. (I) coming out near the top of the digester contains acid vapors 50.2-21.2, MeOH 8.3-2.9, substances with carbonyl group (calcd. as acetone) 13.0-0.2, sepd. wood tar 74.5-22.1, and dissolved wood tar 33.4-11.3 g./cu. m. of dry gas. I is carried through 3 condensers, and the uncondensed gases, a typical compon. of which is CO₂ 19.50, O 0.71, C₂H₆ 0.34, CO 12.30, H 6.35, CH₄ 7.79, and N 52.51 vol. %, are returned to the digester. Part of the gases is blown into the lower section where they cool wood tar, and the rest is mixed with furnace gases as they enter the digester. In addn. to a higher yield of AcOH (69.4% of the theoretical) several other tech. and economical advantages of the process are described. AcOH is extd. from the mixt. with AcOEt.

T. Jurecic

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RFPIN, A

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ORGANIZATSIIA I EKSPLOATATSIYA PREDPRIYATIY RADIOSVYAZI I RADIO
VESHCHANIYA (ORGANIZATION AND OPERATION OF RADIO COMMUNICATION AND RADIO
BROADCASTING ENTERPRISES) MOSKVA, SVYAZ'IZDAT, 1953.

147 P. TABLES., DIAGRS.

REF ID: A_S_11_F_MILYAVSKAYA_V_I_SOCIETY

"Action of Ultraviolet Rays on Bacteria," Zhurnal mikrobiologii, 19, 6 (12),
817-822, 1937

REPIN, A.S.; DOGADIN, V.N., redaktor; VEYNTRAUB, A.B., tekhnicheskiy
redaktor

[Organization and operation of radio communication and broadcasting enterprises] Organizatsiya i ekspluatatsiya predpriatii radio-sviazi i radioveshchaniia. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1953. 147 p. [Microfilm] (MLRA 10:3)
(Radio industry)

Repin, A. S.

2326. USE OF A VERTICAL CONTINUOUS REACTOR AT ALIZIBR AND CEFICAL
PLANT. Korotkin, V. I., Repin, A. S. and Khlysov, A. M. (Gidrolyz. lesokhim.
Prom. (Hydrolyt. Forest. Chem. Ind., U.S.S.R.), 1956, vol. 9, (4), 1-7; see
abstr. in Chem. Abstr., 1956, vol. 50, 15050).

150

PM NK

SOVIM, A. I.

Organizatsiiia i eksploatatsiia predpriistii radiosviazi i radiovershchaniiia [Organization and operation of radio communication and broadcasting enterprises]. Moscow, Gosenergoizdat, 1953, 148 p.

cc: Monthly List of Russian Accessions, Vol. 6 No. 5, August 1953

REPIN, A.S.

Organizatsiia i ekspluatatsiia predpriatii
radiosviazi i radioveshchaniiia (Organization and operation
of radio communication and radio broadcasting enterprises).
Moskva, Sviaz'izdat, 1953. 147 p.

SD: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

REPIN, A.S.

KHMEL'NITSKIY, Ye.P.

"Organization and operation of radio communication and broadcasting enterprises." A.S.Repin. Reviewed by E.P.Khmel'nitskii. Vest. sviazi 14 no.1:3 of cover Ja '54. (MLRA 7:5)

1. Glavnnyy inzhener radiopredpriyatiya (for Khmel'nitskiy).
(Repin, A.S.) (Radio broadcasting)

REPIN, A.V.

Central traffic control planning. Avtom., telem. i sviaz'
3 no.7:4-7 J1 '59. (MIRA 12:12)

1. Glavnnyy inzhener proyektov Giprotranssignalsvyazi.
(Railroads--Signaling)

REPIN, A. V., podpolkovnik meditsinskoy sluzhby (Riga)

Twenty eight-weeks-old abdominal pregnancy with the implantation of the fetal egg in the porta lienis. Akush. i gin. no.2:
107-108 '62. (MIRA 15:6)

(PREGNANCY, EXTRA-UTERINE)

BOSIN, M.I., kand. tekhn. nauk; REPIN, A.V., inzh.

Direction circuit for monotrack automatic block systems. Avtom.,
telem. i sviaz' 2 no.6:11-17 Je '58. (MIRA 11:6)
(Railroads—Signaling—Block system)

REPIN, E.G.

Eclipsing variable CR Cassiopeae. Per. zvezdy 10 no.5:
330-333 '55. (MLRA 9:9)

1. Gosudarstvennyy astronomicheskiy institut imeni
P.K. Shternberga, Moskva.
(Stars, Variable)

REPIN, F.M.

On trips and excursions. Geog.v shkole no.1:60-61 Ja-F '54.
(MLRA 7:1)

(School excursions) (Geography--Study and teaching)

1. REPIN, F. M.
2. USSR 600
4. Nature Study
7. School conservatory, Priroda, 42, No. 1, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ANDREYEVA, K.K., MALYSHEVA, A.Ye., REPIN, G.N. (Moskva).

Prolonged action of cold during work in closed building.
Gig.truda i prof. zav. 2 no.5:25-30 S-0 '58 (MIRA 11:11)

1. Institut gigiyeny truda i profzabolevaniya AMN SSSR.
(COLD--PHYSIOLOGICAL EFFECT)

REPIN, I.

Visiting with friends. Sov. profsoiuzy 7 no.16:56 Ag '59.
(MIRA 12:12)

1. Predsedatel' Volgo-Donskogo territorial'nogo komiteta profsoyuza
rabochikh geologorazvedchikov rabot.
(Russia--Relations (General) with Czechoslovakia)
(Czechoslovakia--Relations (General) with Russia)

BARANOV, Aleksandr Potapovich; KURCHOVSKAYA, N.V.; VASIL'YEV,
L.G.; kand. tekhn. nauk, refevuent; REPIN, I.A., kand.
tekhn. nauk, nauchn. red.; KAL'IN, M.M., red.

[New sources of electrical power for ships] Novye istochniki
elektricheskoi energii dlya sudov. Leningrad, Sudostroenie,
(MIRA 18:10)
1965. 131 p.

REPIN, I. F.; MAKAROV, V. (Reviewed by L. M. Raskin)

REPIN, I. F.; MAKAROV, V. (Reviewed by L. M. Raskin)

Potatoes

Books of innovators ("How we achieved a large potato harvest," I. F. Repin, and "How we Obtained a Large Harvest," v. Makarov.)-Reviewed by L. M. Raskin. Sad i og. No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, UNCLASSIFIED.

REPIN, I. I.

USSR

MS

Repin, I. I. On sequences of uniformly bounded growth of linear aggregates of analytic functions. Mat. Sb. N.S. 36(73), 3-24 (1955). (Russian)

The author considers sequences of the form

$$\psi_n(z) = \sum_{i=1}^n \gamma_{n,i} f(\lambda_i z),$$

where $f(z)$ is an entire function of order ρ , $\{\lambda_n\}$ is a sequence whose exponent of convergence is $\rho_1 > \rho$, and $\psi_n(z)$ converges over the finite plane and satisfies $|\psi_n(z)| < \exp(|z|^\omega)$, $|z| > r_0$, with $\omega^{-1} > \rho^{-1} - \rho_1^{-1}$. His object is to deduce further properties of the sequence: for example, $\lim_{n \rightarrow \infty} \gamma_{n,i} = \gamma_i$ and the γ_i depend only on the function $\lim \psi_n(z)$; and under some auxiliary conditions the series $\sum \gamma_i f(\lambda_i z)$ actually converges to $\lim \psi_n(z)$. The proofs depend on Leont'ev's M -operators [Mat. Sb. N.S. 33(75), 453-462 (1953); MR 15, 301], whose theory is developed more fully by the author.

R. P. Boas, Jr. (Evanston, Ill.).

I - F/W

REPIN, I.I. (Arzamas)

Sequences of linear aggregates of analytical functions with uniformly bounded increases. Mat.sbor. 36 no.1:3-24 Ja-F '55.
(Functions, Analytic) (MLRA 8:2)

REPIN, I.K.

Voluntary work of the divisions of the Volga-Don Territorial
Trade Union Committee. Razved.i okh.nedr 28 no.3:51-53 Mr '62.
(MIRA 15:4)

1. Volgo-Donskoy territorial'nyy komitet profsoyuza rabochikh
geologorazvedochnykh rabot.
(Volga Valley--Prospecting) (Don Valley--Prospecting)
(Trade unions)

PEVZ, L.N., Vasil'kin, A.V.

Development of fever reaction due to the injection of a bacterial
lipopolysaccharide and endogenous pyrogen into the lateral cerebral
ventricles in rabbits. Pat. fiziol. i eksp. terap. 9 no.4:47-51
(MIFPA 13:9)
1974 16:5

A. V. Pevz, A. V. Vasil'kin (zav. - chlen korrespondent AMN
SSSR prof. P. N. Vesel'kin) Institute eksperimental'noy meditsiny
i AM SSSR, Leningrad.

REPIN, I.S.

Significance of the preoptic area of the brain in chemical
thermoregulation in rabbits. Fiziol. zhur. 49 no.1:49-54
(MIRA 17:2)
Ja '63.

1. From the Laboratory of General Pathology, Institute of
Experimental Medicine, Leningrad.

REPIN, I.S.

Comparative effect of hypercapnia and hypoxic hypoxia on the content of macroergic phosphate and lactic acid in the cerebral tissues in rats. Pat. fiziol. i eksp. terap. 9 no.5:41-44 S-0 '65.
(MIRA 19:1)

I. Laboratoriya obrshchey patofiziologii otdela obrshchey patologii (zav. - chlen-korrespondent AMN SSSR prof. P.N. Veselkin) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

DANDOVA, G.M.; REPIN, I.S.

Thermoregulating activity of the muscles in the awakening of hibernating animals. Pat. fiziol. i eksp. terap. 9 no.2:73-74 (MIRA 18:5) Mr-Ap '65.

I. Laboratoriya obshchey patologii (zav. - chlen-korrespondent AMN SSSR prof. P.N.Veselkin) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

REPIN, I.S.

(Leningrad)

Data on the characteristics of the "reverse action" of carbon dioxide. Pat. fiziol. i eksp. terap. 7 no. 3:71-72 My-Je'63
(MIRA 17:4)

1. Iz laboratorii obshchey patologii (zav. -- chlen-korrespondent, AMN SSSR prof. P.I. Veselkin) Instituta eksperimental'noy meditsiny AMN SSSR.

REPIN, I.S. (Leningrad)

Change in the electroencephalogram and in the reactivity of the brain
under conditions of hypercapnia. Pat. fiziol. i eksp. terap. 5 no.4:
(MIRA 14:9)
20-26 Jl-Ag '61.

1. Iz otdela obshchey patologii (zav. - chlen-korrespondent AMN
SSSR prof. P.N.Veselkin) Instituta eksperimental'noy meditsiny
AMN SSSR.
(CARBON DIOXIDE--PHYSIOLOGICAL EFFECT)

REPIN, I.S. (Leningrad)

On the problem of specific disintegration of tissue proteins in infectious fevers [with summary in English]. Pat.fiziol. i ekspl. terap. 1 no.2:35-43 Mr-Apr '57. (MIRA 10:9)

1. Iz otdela obshchey patologii (zav. - chlen-korrespondent AMN SSSR prof. P.N.Veselkin) Instituta eksperimental'noy meditsiny AMN SSSR.

(PARATYPHOID FEVERS, exper. eff. on tissue protein disintegration & metab. in rabbits)

(PROTEINS, metab. tissue protein disintegration in exper. paratyphoid fever in rabbits)

PPIN, I.S., Cand Med Sci -- (diss) "On the problem
of nitrogen exchange in fever reaction." Len, 1958,
16 pp (Inst of Experimental Medicine of Acad Med
Sci USSR) 200 copies (KL, 29-58, 137)

- 127 -

REPIN, I.S.

Effect of hypercapnia on spontaneous and looked potentials in
the intact and isolated cerebral cortex of a rabbit. Biul. eksp.
biol. i med. 56 no.9:3-7 S '63.

(MIRA 17:10)

1. Iz laboratorii obshchey patologii (zav. - chlen-korrespondent
AMN SSSR prof. P.N. Veselkin) Instituta eksperimental'noy meditsiny
AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR
D.A. Biryukovym.

REPIN, I.S. (Leningrad)

Analysis of the mechanism of the hypothermic effect of carbon dioxide
and utilization of CO₂ for the production of deep hypothermia in
warm-blooded animals. Pat. fiaiol.i eksp. terap. 3 no.5:48-56 S-0 '59.
(MIRA 13:3)

1. Iz otdela obshchey patologii (zaveduyushchiy - chlen-korrespondent
AMN SSSR P.N. Veselkin) Instituta eksperimental'noy meditsiny AMN SSSR,
(HYPOTHERMIA INDUCED exper.)
(CARBON DIOXIDE eff.)

REPIN, I. S. (Leningrad)

O glubokom i svoyeobraznom ugnostenii E. E. G. pri giperkapnii (k voprosu o roli "CO₂" kak regulyatore tonusa retikulyarnoy formatsii mozgevogo stvola.

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Moscow, 22-26 March 1960.

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Council. Ugol' 34 no.1:38-41 Ja '59. (MIRA 12:1)
(Donets Basin--Mine roof bolting)

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(MIRA 11:6)

1.Kombinat Luganskshakhtstroy.
(Mining engineering)

REPIN, I.V.

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BILENKHIN, D.; VATEL', I.; VLADIMIROV, L.; GUSHCHEV, S.;
YELAGIN, V.; YERESHKO, F.; ZHURBINA, S.; KAZARNOVSKAYA, G.;
KALININ, Yu.; KELER, V.; KONOVALOV, B.; KREYNDLIN, Yu.;
LEBEDEV, L.; PODGORODNIKOV, M.; RABINOVICH, I.; REPIN, L.;
SMOLYAN, G.; TITARENKO, V.; TOPILINA, T.; FEDCHENKO, V.;
EVDEL'MAN, N.; EME, A.; NAUMOV, F.; YAKOVLEV, N.;
MIKHAYLOV, K., nauchn. red.; LIVANOV, A., red.

[Little stories about the great cosmos] Malen'kie rasskazy o
bol'shom Kosmose. Izd. 2., Moskva, Molodaia gvardiia, 1964.
(MIRA 18:4)
368 p.

ACC NR: AN7001987

SOURCE CODE: UR/9007/67/000/018/0004/0004

AUTHOR: Repin, L. (Special correspondent of Komsomol'skaya pravda; Leningrad)

ORG: none

TITLE: Beyond the door is an unknown planet

SOURCE: Komsomol'skaya pravda, no. 18, 21 Jan 67, p. 4, cols. 1-3

TOPIC TAGS: atmospheric model, pressure chamber, UV radiation, planetary environment, space environment simulation, environment test chamber/Fotostat-1 chamber

ABSTRACT: Professor L. K. Lozina-Lozinskiy, director of the space biology laboratory in one of the Leningrad scientific research institutes, is in charge of the special device capable of modeling the environmental conditions of other planets. This planetary simulator, called "Fotostat-1," is essentially a pressure chamber capable of modeling the atmospheric composition, pressure, and the daily variations of temperature and light conditions of Mars and other planets. This facility is the first which is capable of simulating the UV radiation on other planets. Special lighting fixtures can imitate the entire solar spectrum, including a wide range of UV rays and individual lines of the solar spectrum. Previous experiments have indicated that many infusoria, worms, and insects can survive in a wide range of alien conditions, including very low pressures and small amounts of oxygen. Other

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